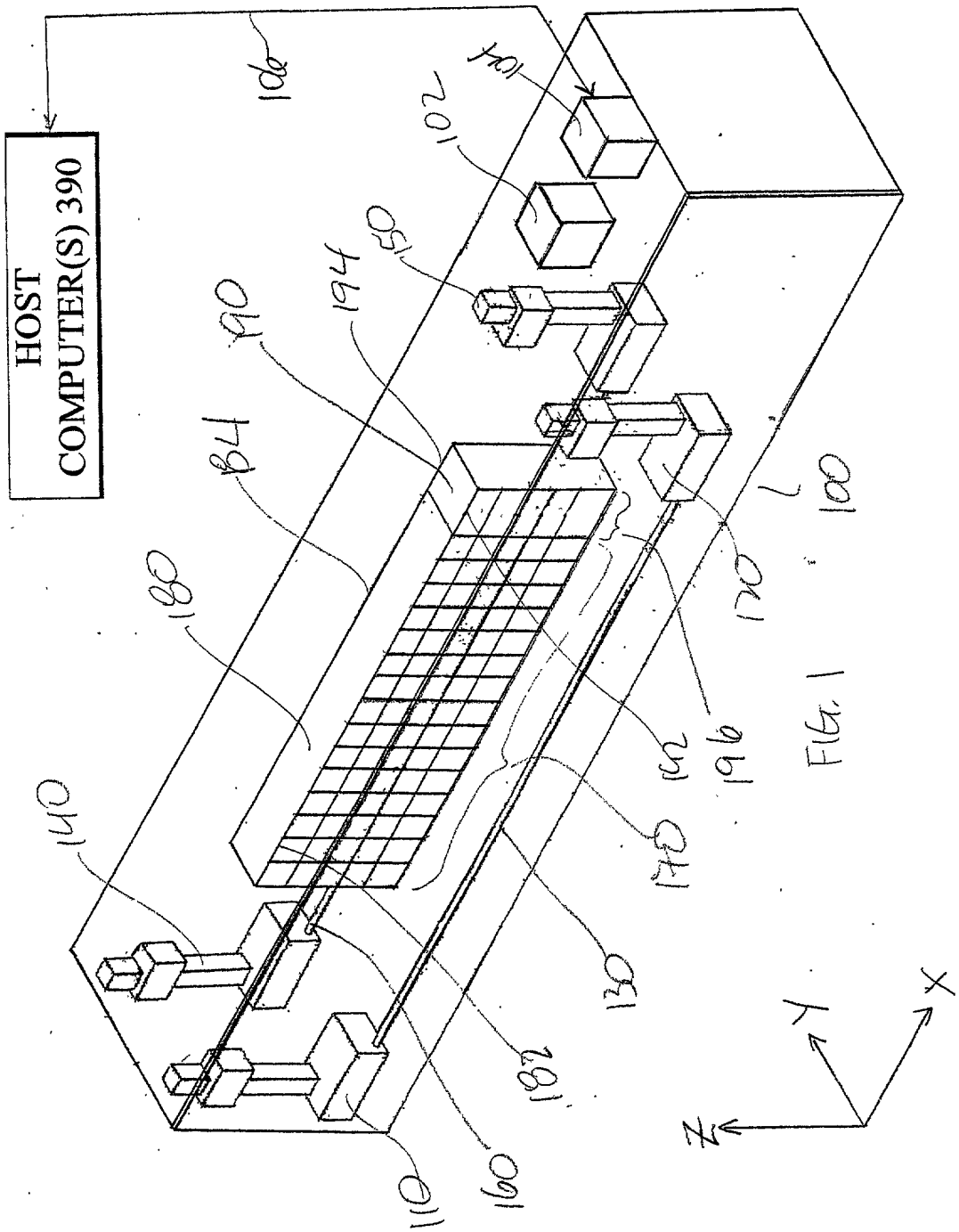

HOST
COMPUTER(S) 390
106
101
107
150
194
90
84
180
140
110
160
182
130
142
196
120
100
L
Y
X
Z

FIG. 1

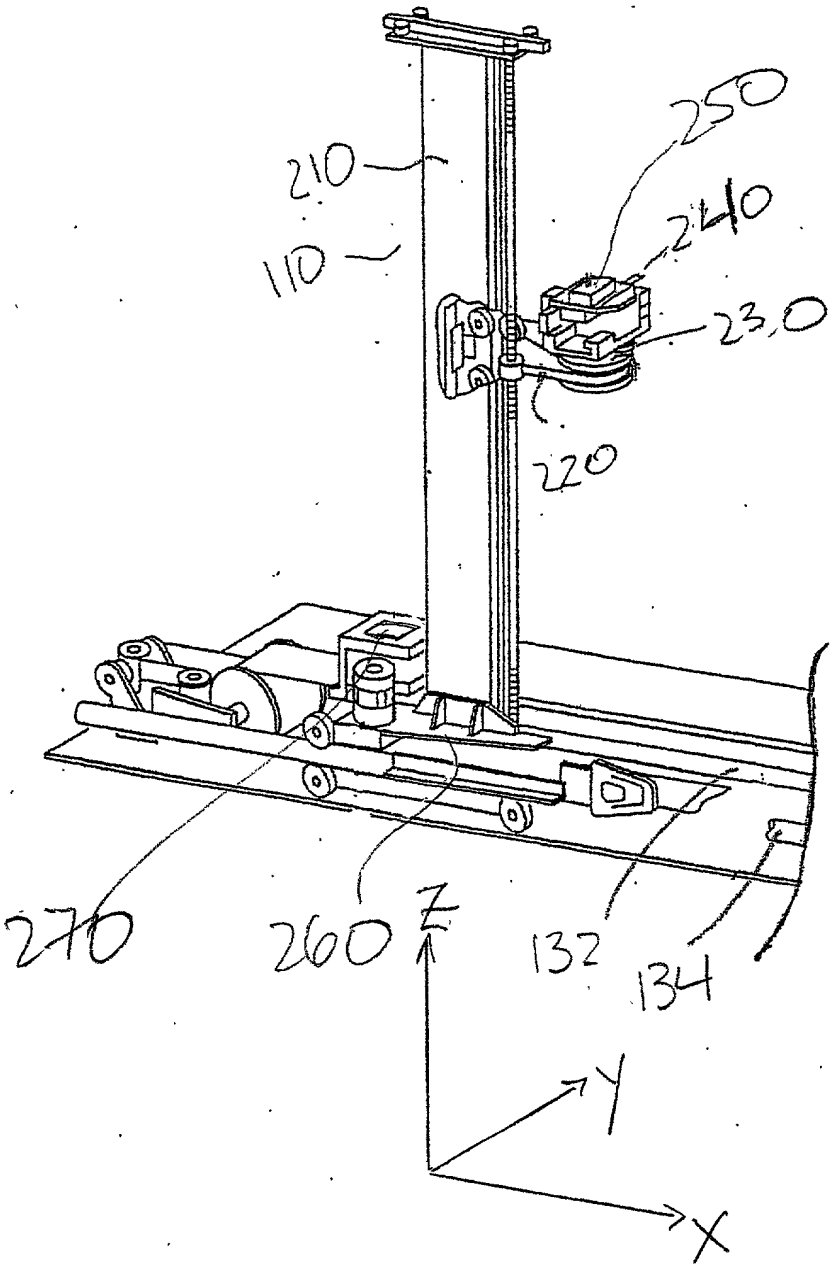



FIG. 2

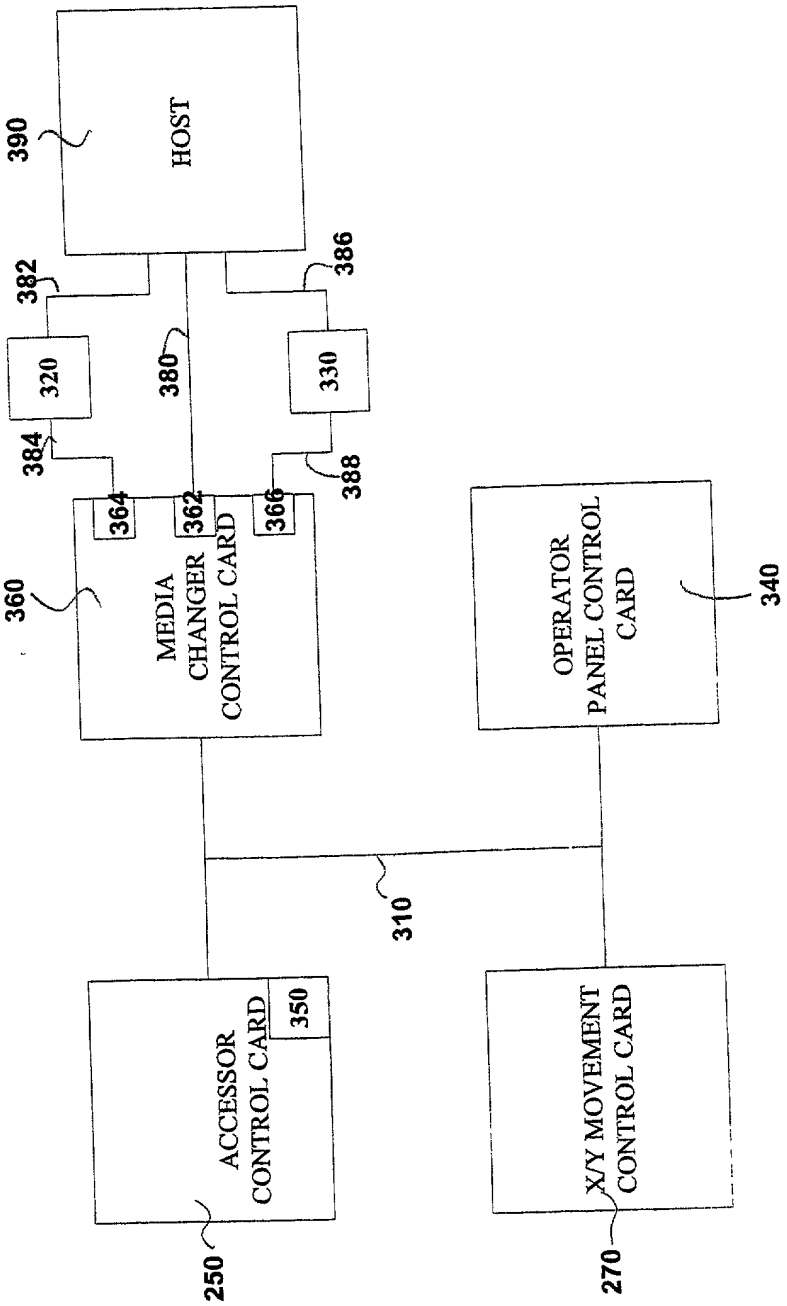

HOST
390
382
386
320
380
330
384
388
364
362
366
MEDIA CHANGER CONTROL CARD
360
OPERATOR PANEL CONTROL CARD
340
310
ACCESSOR CONTROL CARD
350
250
X/Y MOVEMENT CONTROL CARD
270

FIG3A

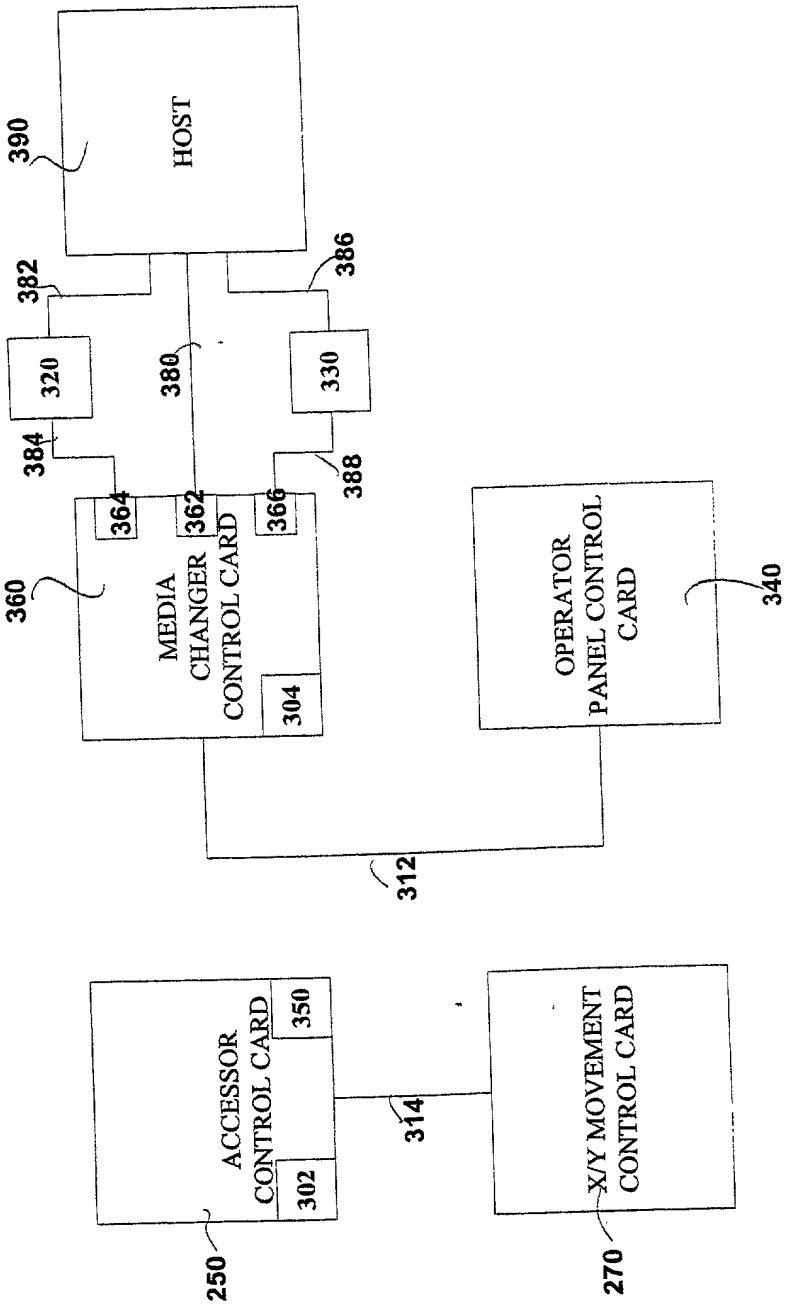

HOST
390
382
386
320
380
330
384
388
364
362
366
360
MEDIA CHANGER CONTROL CARD
304
OPERATOR PANEL CONTROL CARD
340
312
ACCESSOR CONTROL CARD
350
302
314
X/Y MOVEMENT CONTROL CARD
250
270

FIG. 3B

FIG. 3C

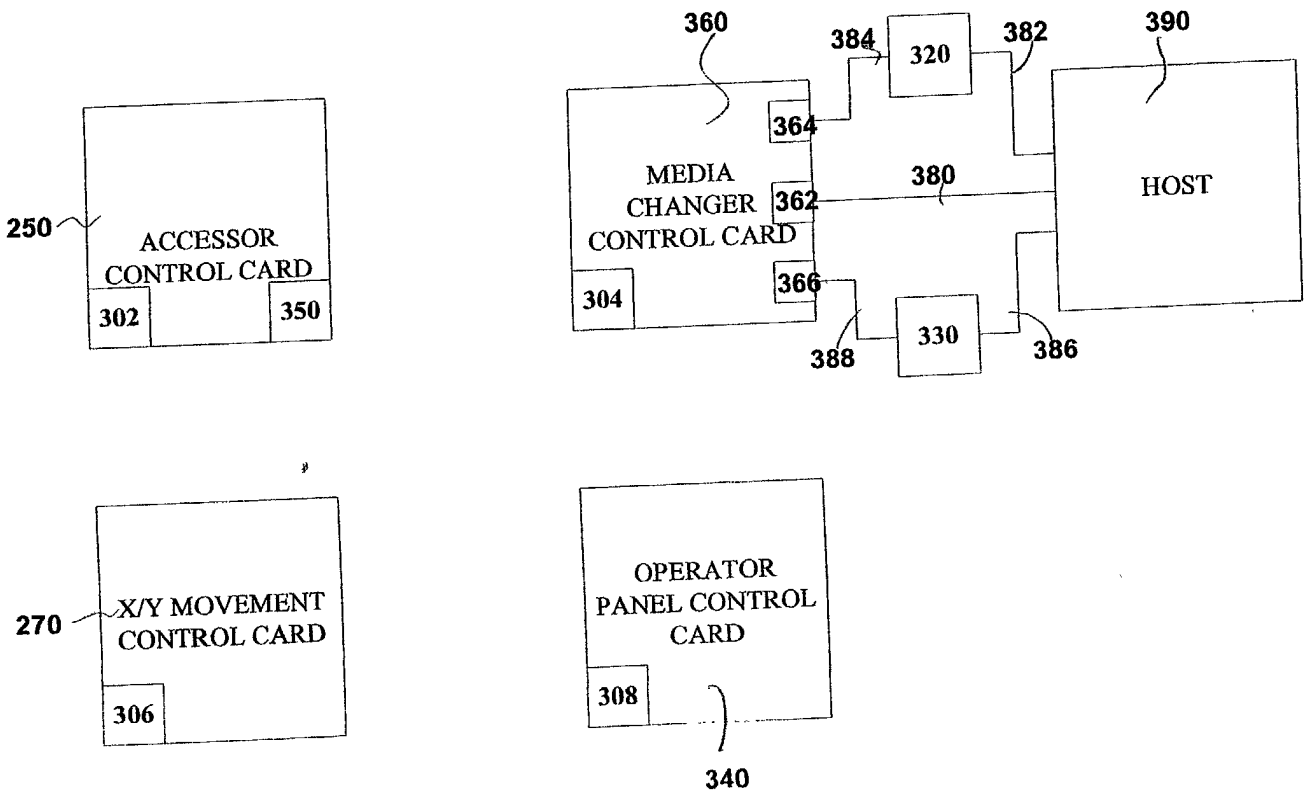

360
384
320
382
390
364
MEDIA
CHANGER
CONTROL CARD
362
380
HOST
304
366
330
388
386
250
ACCESSOR
CONTROL CARD
302
350
270
X/Y MOVEMENT
CONTROL CARD
306
OPERATOR
PANEL CONTROL
CARD
308
340

FIG. 4

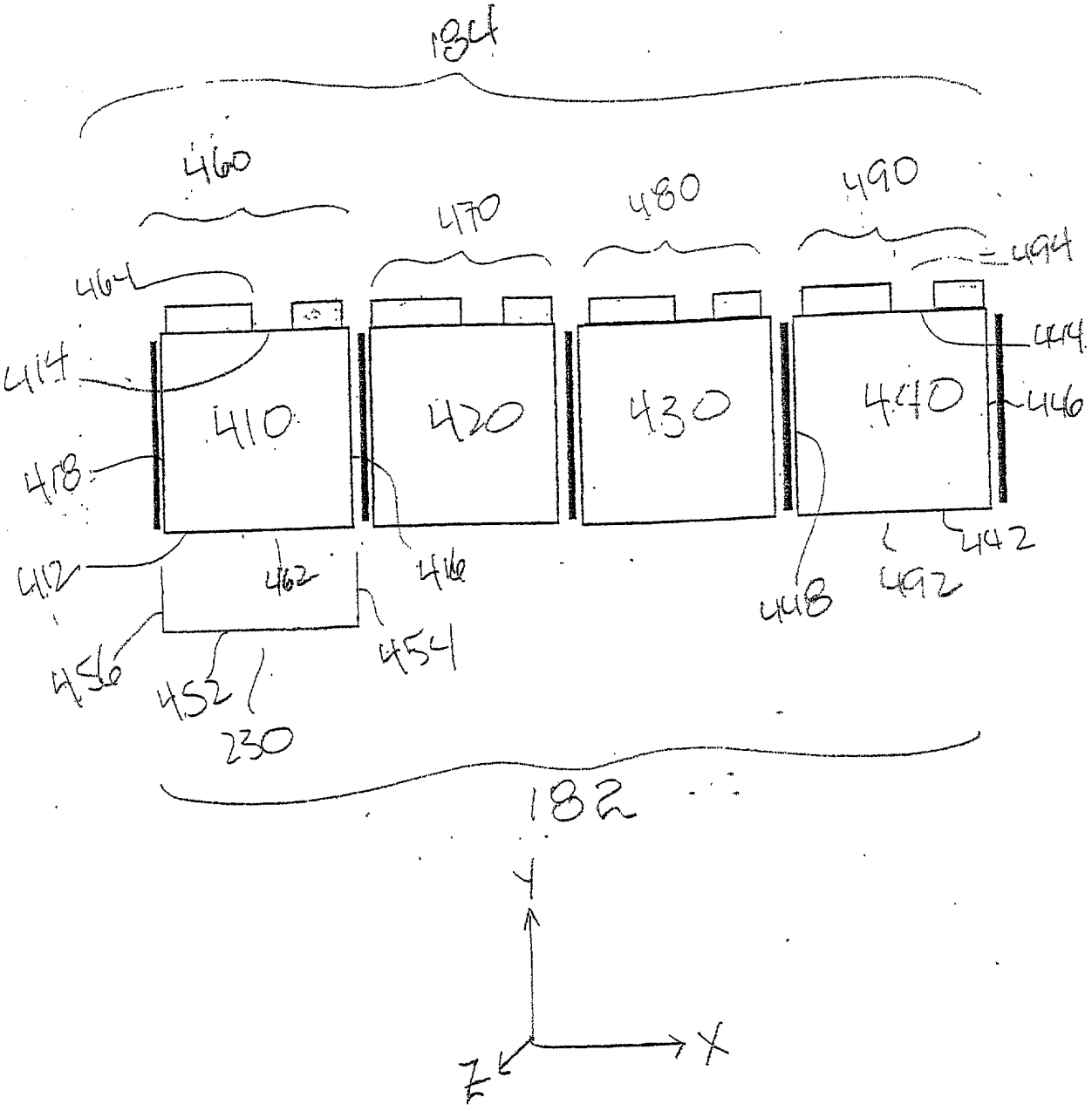

184
460
470
480
490
464
494
414
410
420
430
440
444
446
418
412
462
466
448
492
442
456
452
454
230
182
Y
Z
X

FIG. 5

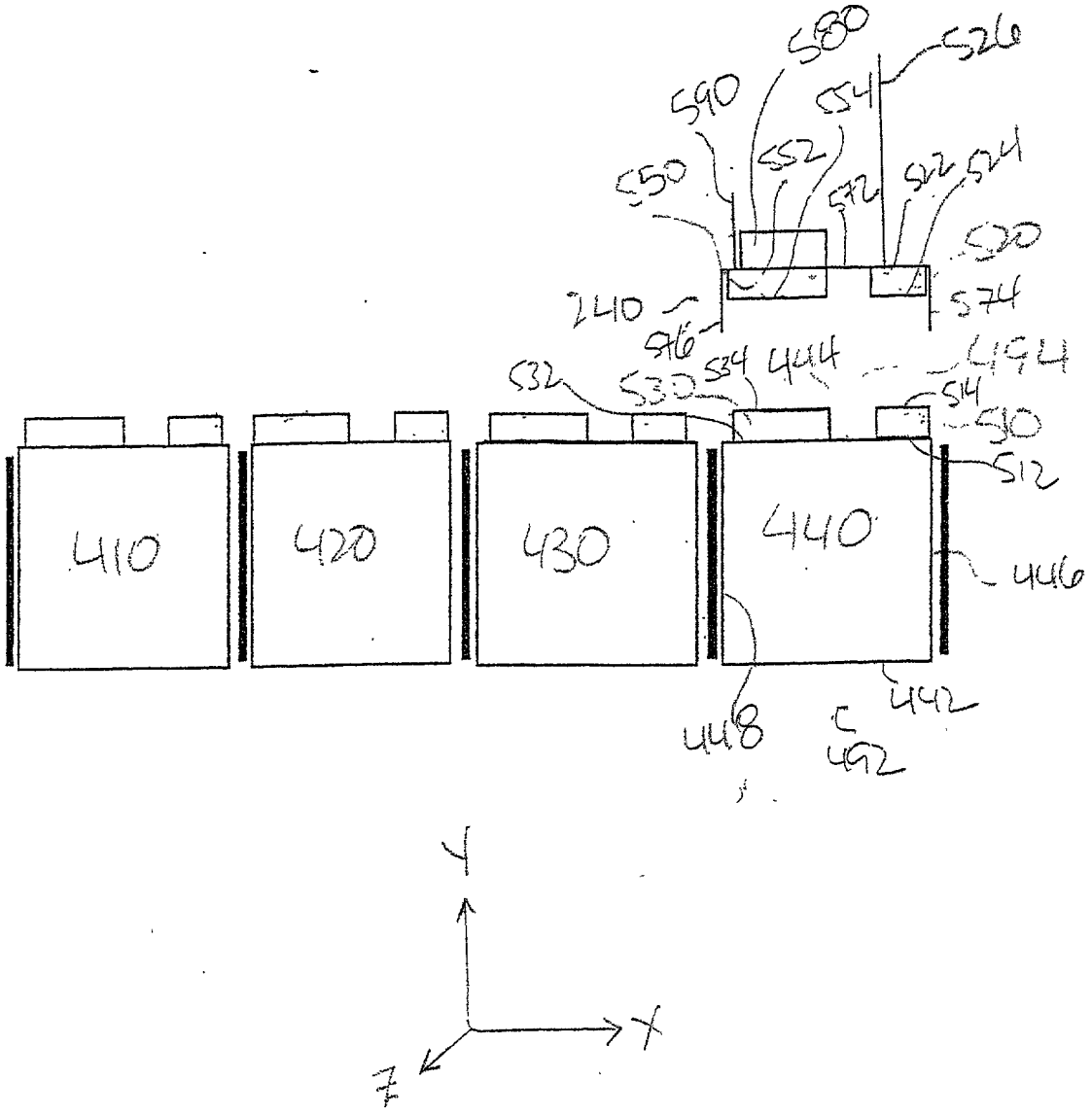
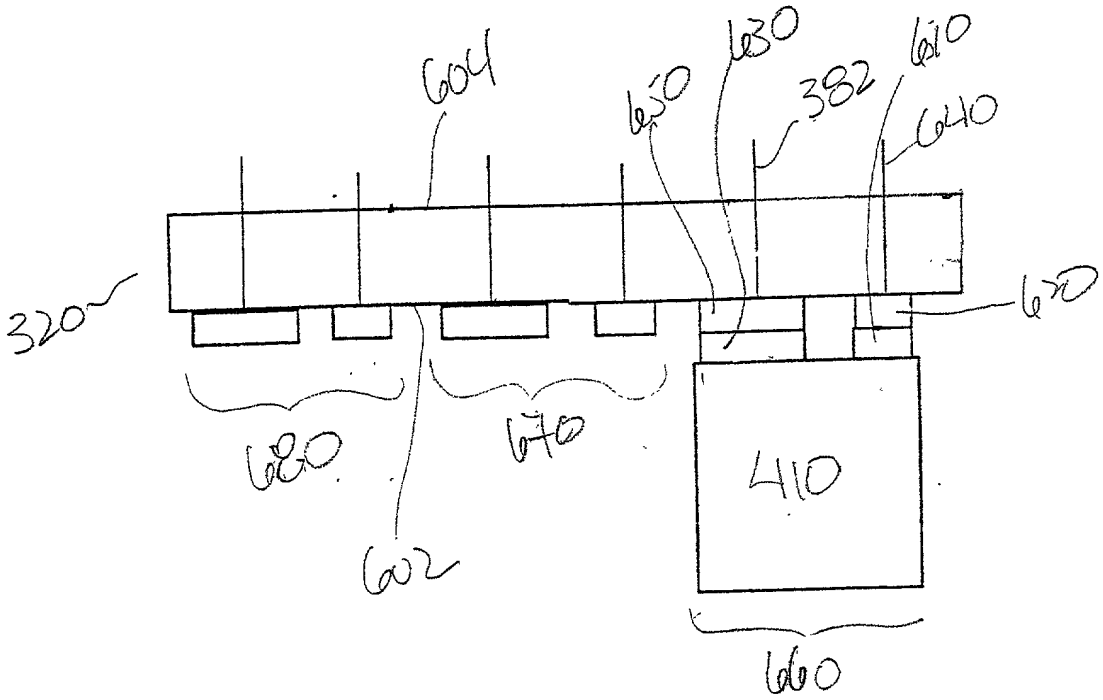

580
526
590
554
552
550
572
522
524
520
240
574
516
534
444
494
532
530
514
490
512
410
420
430
440
446
448
442
492
Y
X
Z

FIG. 6



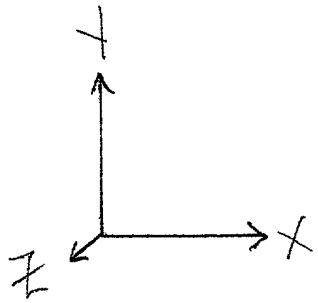
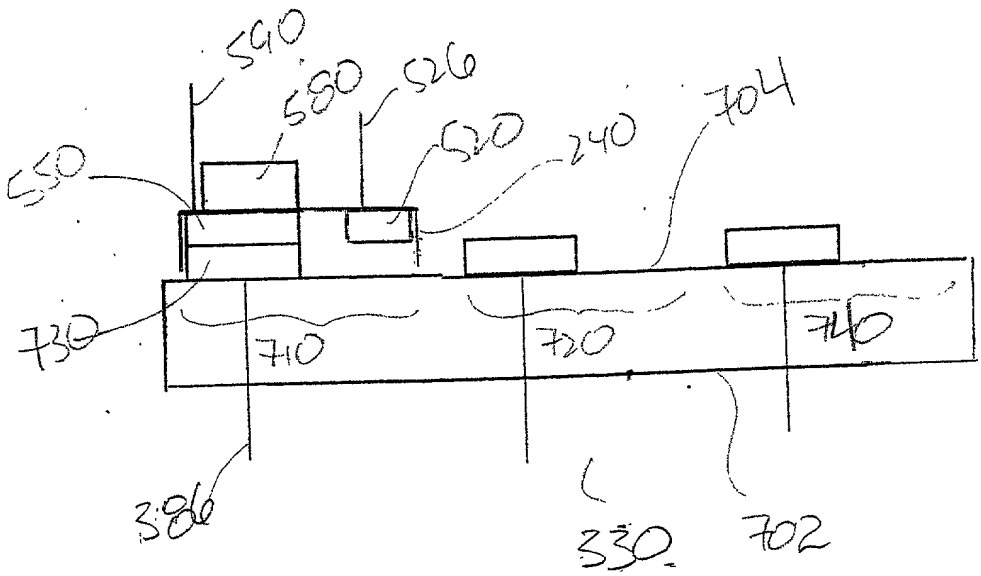
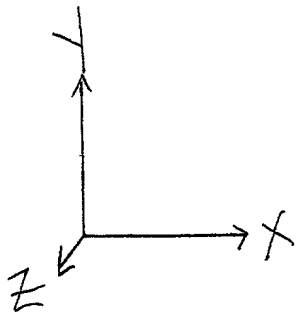



FIG. 7



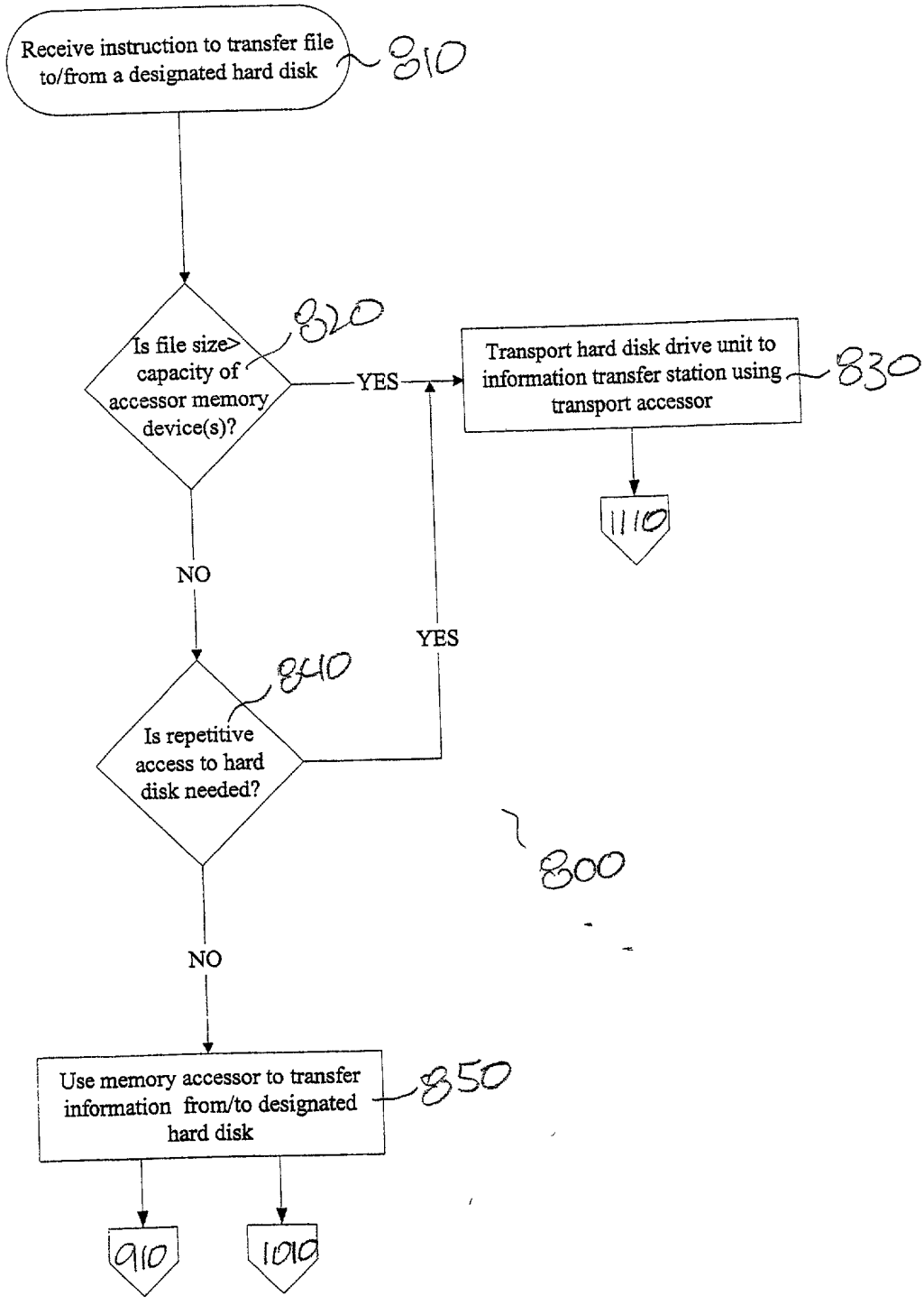

Receive instruction to transfer file to/from a designated hard disk
810
Is file size > capacity of accessor memory device(s)?
820
YES
Transport hard disk drive unit to information transfer station using transport accessor
830
1110
NO
YES
Is repetitive access to hard disk needed?
840
800
NO
Use memory accessor to transfer information from/to designated hard disk
850
910
1010

FIG-8

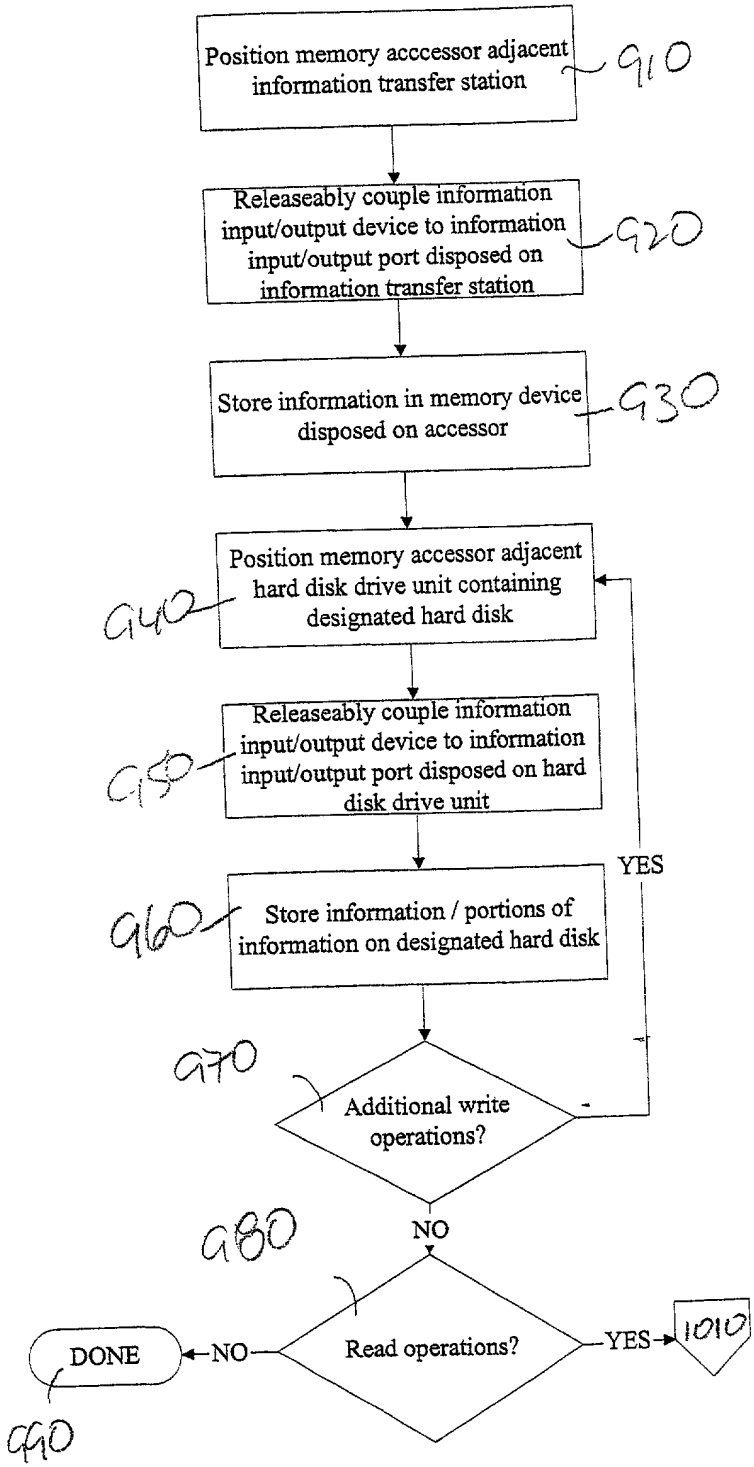

Position memory acccessor adjacent information transfer station
910
Releaseably couple information input/output device to information input/output port disposed on information transfer station
920
Store information in memory device disposed on accessor
930
Position memory accessor adjacent hard disk drive unit containing designated hard disk
940
Releaseably couple information input/output device to information input/output port disposed on hard disk drive unit
950
Store information / portions of information on designated hard disk
960
Additional write operations?
970
YES
NO
Read operations?
980
YES
1010
NO
DONE
990

FIG. 9

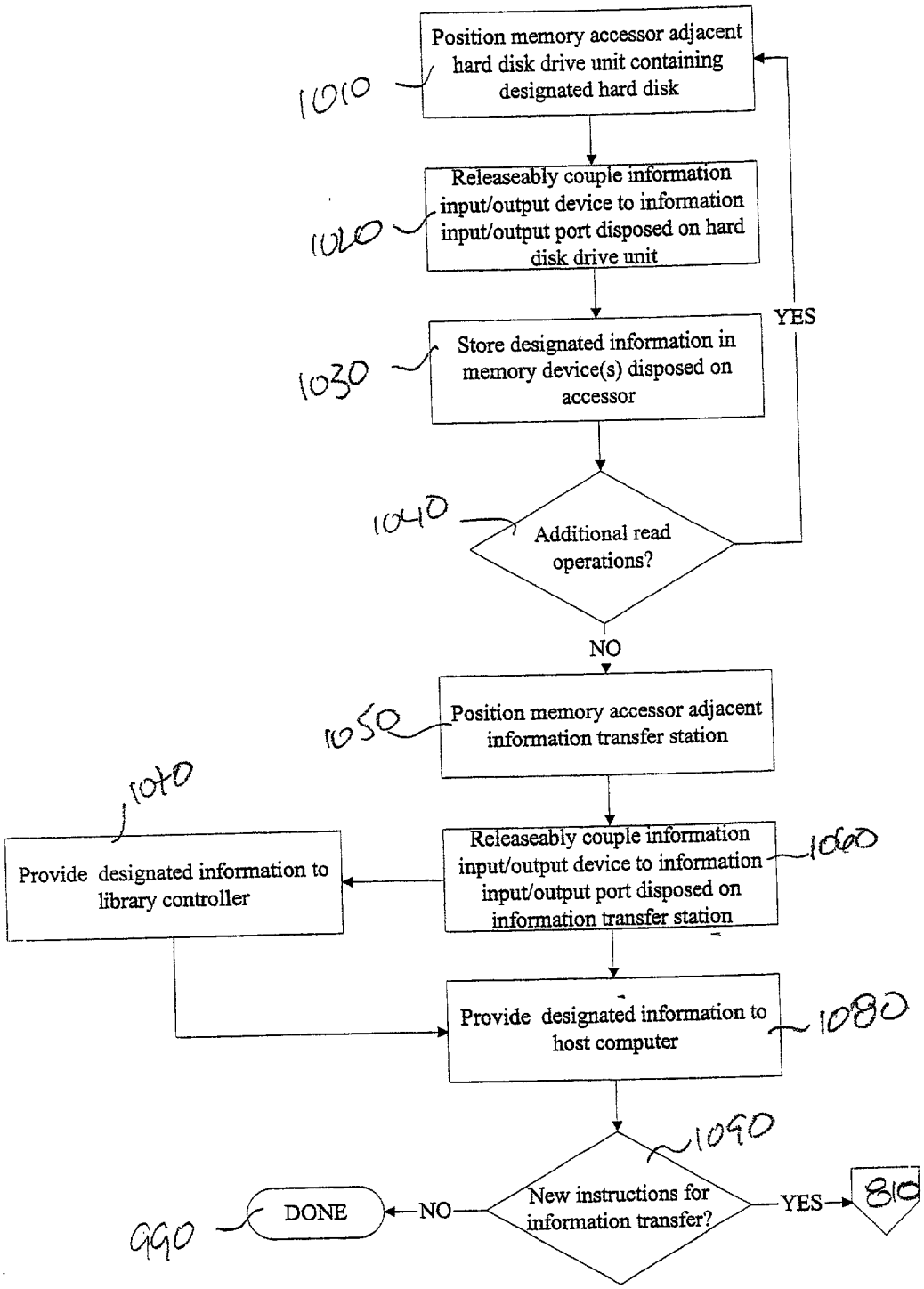

Position memory accessor adjacent hard disk drive unit containing designated hard disk
1010
Releaseably couple information input/output device to information input/output port disposed on hard disk drive unit
1020
Store designated information in memory device(s) disposed on accessor
1030
Additional read operations?
1040
YES
NO
Position memory accessor adjacent information transfer station
1050
Releaseably couple information input/output device to information input/output port disposed on information transfer station
1060
Provide designated information to library controller
1070
Provide designated information to host computer
1080
New instructions for information transfer?
1090
YES
810
NO
DONE
990

FIG-10

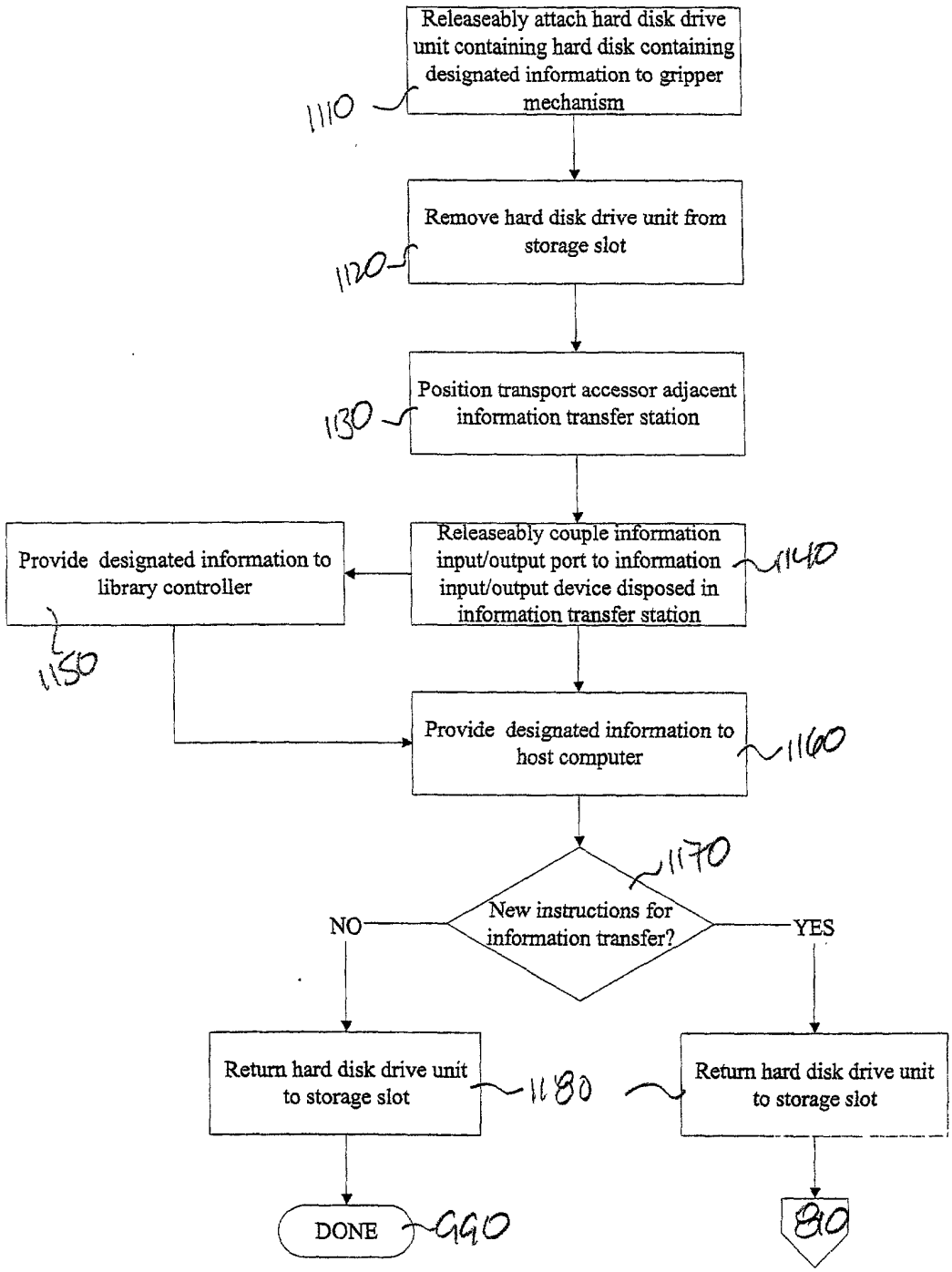

Releaseably attach hard disk drive unit containing hard disk containing designated information to gripper mechanism
1110
Remove hard disk drive unit from storage slot
1120
Position transport accessor adjacent information transfer station
130
Releaseably couple information input/output port to information input/output device disposed in information transfer station
1140
Provide designated information to library controller
1150
Provide designated information to host computer
1160
1170
New instructions for information transfer?
NO
YES
Return hard disk drive unit to storage slot
1180
Return hard disk drive unit to storage slot
DONE
990
80

FIG.11

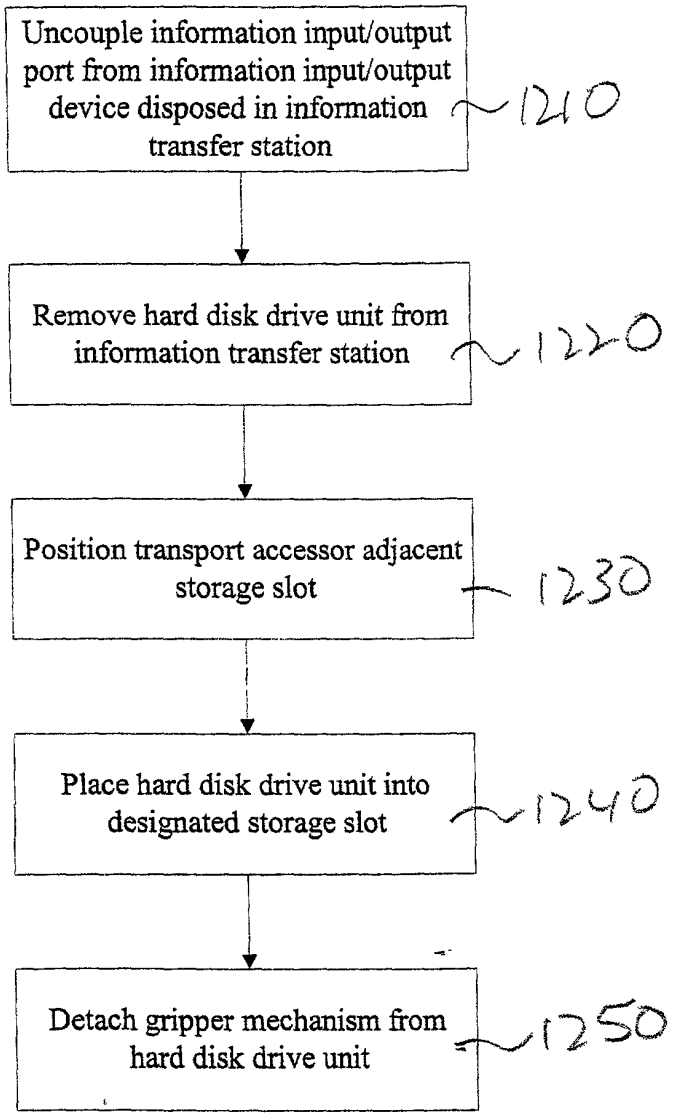

Uncouple information input/output port from information input/output device disposed in information transfer station
1210
Remove hard disk drive unit from information transfer station
1220
Position transport accessor adjacent storage slot
1230
Place hard disk drive unit into designated storage slot
1240
Detach gripper mechanism from hard disk drive unit
1250

FIG. 12